ELSEVIER

Aquaculture 165 (1998) 357–359

Aquaculture

Contents of *Aquaculture*, Volume 165

VOL. 165 NOS. 1, 2 **1 June 1998**

Publisher's Note v

Diseases, parasites and predators

Epizootic Ulcerative Syndrome (EUS), associated with a fungal pathogen, in Indian fishes: histopathology—'a cause for invasiveness'
T.S. Vishwanath, C.V. Mohan and K.M. Shankar (Mangalore, India) 1

Evaluation of the toxicity and efficacy of hydrogen peroxide treatments on eggs of warm- and coolwater fishes
J.J. Rach, M.P. Gaikowski, G.E. Howe and T.M. Schreier (La Crosse, WI, USA) 11

Response of rainbow trout (*Oncorhynchus mykiss*) to a graded hypoxia following repeated intermittent exposure to chloramine-T
M.D. Powell, F. Haman (Ottawa, Ont., Canada), G.M. Wright (Charlottetown, P.E.I., Canada) and S.F. Perry (Ottawa, Ont., Canada) 27

Husbandry and Management

Growth and survival of the tropical scallop *Lyropecten* (*Nodipecten*) *nodosus* maintained in suspended culture at three depths
C.J. Lodeiros, J.J. Rengel, L. Freites, F. Morales (Cumaná, Venezuela) and J.H. Himmelman (Laval, Que., Canada) 41

Effect of photoperiod and light intensity on survival, development and cannibalism of larvae of the Australian giant crab *Pseudocarcinus gigas* (Lamarck)
C. Gardner and G.B. Maguire (Launceston, Australia) 51

Effect of dietary lipid composition on vitellogenin, 17β-estradiol and gonadotropin plasma levels and spawning performance in captive sea bass (*Dicentrarchus labrax* L.)
J.M. Navas, E. Mañanós (Castellón, Spain), M. Thrush (Stirling, UK), J. Ramos, S. Zanuy, M. Carrillo (Castellón, Spain), Y. Zohar (Baltimore, MD, USA) and N. Bromage (Stirling, UK) 65

Behavioral response of carp (*Cyprinus carpio*) to ammonia stress
D. Israeli-Weinstein and E. Kimmel (Haifa, Israel) 81

Nutrition

Raw material freshness, a quality criterion for fish meal fed to shrimp
D. Ricque-Marie, Ma.I. Abdo-de La Parra, L.E. Cruz-Suarez (Nuevo Leon, Mexico), G. Cuzon, M. Cousin (Taravao, French Polynesia) and I.H. Pike (St. Albans, UK) 95

Effects of feeding frequency on growth and food utilisation of rainbow trout (*Oncorhynchus mykiss*) fed low-fat herring or dry pellets
K. Ruohonen (Jyväskylä, Finland), J. Vielma (Valkola, Finland) and D.J. Grove (Anglesey, UK) . . 111

Variability in appetite of turbot, *Scophthalmus maximus* under intensive rearing conditions: the role of environmental factors
R. Mallekh, J.P. Lagardère, M.L. Bégout Anras (L'Houmeau, France) and J.Y. Lafaye (La Rochelle, France) 123

Effects of protein level in isocaloric diets on growth performance of the juvenile Chinese hairy crab, *Eriocheir sinensis*
Y.Y. Mu, K.F. Shim and J.Y. Guo (Kent Ridge, Singapore) 139
Individual measurements and nested designs in aquaculture experiments: a simulation study
K. Ruohonen (Jyväskylä, Finland) 149
Feeding *Artemia* to larvae of Atlantic halibut (*Hippoglossus hippoglossus* L.) results in lower larval vitamin A content compared with feeding copepods
I. Rønnestad, S. Helland and Ø. Lie (Bergen, Norway) 159

VOL. 165 NOS. 3, 4 **15 June 1998**

Review
The role of diet in hatchery conditioning of *Pecten maximus* L.: a review
S.D. Utting and P.F. Millican (Conway, UK) 167

Diseases, parasites and predators
Effects on ecosystem structure and function of fish farming as simulated in littoral brackish water mesocosms
K.-J. Lehtinen (Espoo, Finland), K. Mattsson (Nagu Lillandet, Finland), J. Tana (Espoo, Finland), C. Grotell (Kil, Sweden) and C. Engström (Nagu Lillandet, Finland) 179

Husbandry and Management
Growth and survival of the giant clams, *Tridacna derasa*, *T. maxima* and *T. crocea*, at village farms in the Solomon Islands
A.M. Hart, J.D. Bell and T.P. Foyle (Honiara, Solomon Islands) 203
A sustainable culture system for *Gracilaria parvispora* (Rhodophyta) using sporelings, reef growout and floating cages in Hawaii
E.P. Glenn, D. Moore, J.J. Brown, R. Tanner, K. Fitzsimmons (Tucson, AZ, USA), M. Akutigawa and S. Napolean (Molokai, HI, USA) 221
A simple stress test for *Penaeus vannamei* postlarvae
T.M. Samocha, H. Guajardo (Corpus Christi, TX, USA), A.L. Lawrence, F.L. Castille (Port Aransas, TX, USA), M. Speed (College Station, TX, USA), D.A. McKee (Corpus Christi, TX, USA) and K.I. Page (Los Fresnos, TX, USA) 233
Dulse *Palmaria mollis* as a settlement substrate and food for the red abalone *Haliotis rufescens*
M. Buchal, J.-E. Levin and C. Langdon (Newport, OR, USA) 243
Effect of feeding frequency on food consumption, growth, size variation, and feeding pattern of age-0 hybrid sunfish
N. Wang, R.S. Hayward and D.B. Noltie (Columbia, MO, USA) 261
Production of the antibacterial substance by *Bacillus* sp. strain NM 12, an intestinal bacterium of Japanese coastal fish
H. Sugita, Y. Hirose, N. Matsuo and Y. Deguchi (Kanagawa, Japan) 269

Nutrition
The nutritional value of four Australian microalgal strains fed to Pacific oyster *Crassostrea gigas* spat
M.R. Brown, M.A. McCausland and K. Kowalski (Hobart, Tas., Australia) 281
Effects of temperature and starvation time on the pattern and rate of loss of essential fatty acids in *Artemia* nauplii previously enriched using arachidonic acid and eicosapentaenoic acid-rich emulsions
A. Estévez (La Coruña, Spain), L.A. McEvoy, J.G. Bell and J.R. Sargent (Stirling, UK) 295
Management of size variation in juvenile gilthead sea bream (*Sparus aurata*). II. Dry food type and live/dry food ratio
O. Goldan, D. Popper, S. Kolkovski (Elat, Israel) and I. Karplus (Bet-Dagan, Israel) 313
Growth of abalone *Haliotis fulgens* fed diets with and without fish meal, compared to a commercial diet
J.M. Guzmán and M.T. Viana (Ensenada, Mexico) 321

The effect of feeding regime on growth, feed utilisation and weight dispersion in large Atlantic salmon (*Salmo salar*) reared in seawater
H. Sveier (Dirdal, Norway) and E. Lied (Bergen, Norway) 333

Physiology and Endocrinology
Optimal sperm concentration and time for fertilization of the tropical abalone, *Haliotis asinina* Linné 1758
V.C. Encena II, E.C. Capinpin Jr. and N.C. Bayona (Iloilo, Philippines) 347

Book reviews
Fish Vaccinology 353
Fish Stress and Health in Aquaculture 354

Contents of *Aquaculture*, Volume 165 357